

## ABSTRACT

**[00135]** A device automatically detects boundary lines on the road from an image captured by a camera mounted on the vehicle. The device includes a controller that performs image processing on the image to compute the velocity information for each pixel in the image, and, on the basis of the computed velocity information for each pixel in the image, extracts the pixels that contain velocity information, detects the oblique lines formed by the extracted pixels, and detects the boundary lines on the road on the basis of the detected oblique lines.